

STEREO MOC Status Report
Time Period: 2011:318 - 2011:324

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 318, in the MOC, the level zero telemetry files and associated data products contained no data due to a filled disk on a RAID array archive server. As there was sufficient disk space on other RAID array disks, space was freed and data products were regenerated for days 318 and 319. This anomaly resulted in a one day delay in delivery the Ahead data products.
- On day 320, during the DSS 25 support, turbo decoder lock was lost briefly beginning at 1402z. This anomaly resulted in the loss of one frame of SSR data. A DR has been requested.
- On day 322, during the DSS 63 support, turbo decoder lock was lost briefly beginning at 0955z. This anomaly resulted in the loss of one frame of SSR data. A DR has been requested.
- On day 323, during the DSS 63 support, turbo decoder lock was lost briefly beginning at 0923z. This anomaly resulted in the loss of one frame of SSR data. A DR has been requested.

2. The following spacecraft/instrument events occurred during this week:

- On day 319, the 42nd momentum dump was successfully executed at 1630Z, which imparted a delta V of 0.0893 m/sec.
- On day 321, the SECCHI Ahead instrument reset at 19:02:03z. The SECCHI team reconfigured the instrument to operational mode at 322-1200z. This was the 24th reset of SECCHI on the Ahead spacecraft.
- The average daily SSR playback volume for Ahead was 4.6 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 318, for the DSS 55 support, telemetry lock was lost intermittently beginning at 1503z through 1515z and again at 1744z through 1800z due to heavy rain at the Madrid complex. SSR pointers were repositioned twice. This anomaly caused the IMPACT and SWAVES science partitions to overwrite on days 319 and 320. Specifically, IMPACT overwrote for 0.9 hours beginning at 319-1822z and for 1.7 hours beginning at 320-1735z. SWAVES overwrote for 3.7 hours beginning at 319-1534z and for 5.5 hours beginning at 320-1347z. See DR# M106529 for more information.
- On day 319, during the DSS 14 support, turbo decoder lock was lost briefly at 1952z. This anomaly resulted in the loss of one frame of SSR data. See DR# N107747 for more information.
- On day 320, the BEHIND MOC successfully supported a PIT test with the DSN to test the new Downlink Signal Generator equipment at DSS 15.
- On day 322, the DSS 34 support was deleted due to the TDRS-10 spacecraft emergency. SSR pointers were repositioned to prevent immediate data loss. This anomaly caused the IMPACT and SWAVES science partitions to overwrite on day 324. Specifically, IMPACT overwrote for 0.6 hours beginning at 324-1445z. SWAVES overwrote for 0.9 hours beginning at 324-1423z.
- On day 324, during the DSS 25 support, turbo decoder lock was lost briefly at 2139z. This anomaly resulted in the loss of one frame of SSR data. See DR# N107755 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 320, the 36th momentum dump was successfully executed at 2200Z, which imparted a delta V of 0.0686 m/sec.

- The average daily SSR playback volume for Behind was 3.7 Gbits during this week.